Contents

Baskin, T. I., s. Liang, B. M.

Berger, S., Shoeman, R. L., Traub, P., Detection of dense intra- and perinuclear 10 nm filament systems by whole mount and embedment-free electron microscopy in several species of the green algal order Dasycladales 204

Beyser, K., s. Fabry, S.

Bohsung, J., s. Timmers, A. C. J.

Bonfante, P., s. Schüßler, A.

Bourett, T. M., Howard, R. J., Brefeldin A-induced structural changes in the endomembrane system of a filamentous fungus, *Magnaporthe grisea* 151

Cai, G., Moscatelli, A., Del Casino, C., Chevrier, V., Mazzi, M., Tiezzi, A., Cresti, M., The anti-centrosome monocloncal antibody 6C6 reacts with a plasma membrane-associated polypeptide of 77 kDa from *Nicotiana tabacum* pollen tubes 68

Chevrier, V., s. Cai, G.

Collings, D. A., s. Wasteneys, G. O.

Cresti, M., s. Cai, G.

Cyr, R. J., s. Durso, N. A.

Del Casino, C., s. Cai, G.

Dennings, A. M., s. Liang, B. M.

Durso, N. A., Leslie, J. D., Cyr, R. J., In situ immunocytochemical evidence that a homolog of protein translation elongation factor EF-1α is associated with microtubules in carrot cells 141

Edelmann, H. G., Volkmann, D., The effect of brefeldin A on the redistribution of osmiophilic particles and the gravitropic response of rye coleoptiles 1

Essner, R., s. Ohta, T.

Fabry, S., Beyser, K., YptV2p, a membrane-associated small G protein abundant during embryogenesis in the green alga *Volvox carteri* 79

Ferroli, C., s. Morré, D. M.

Fujikawa, S., Takabe, K., Formation of multiplex lamellae by equilibrium slow freezing of cortical parenchyma cells of mulberry and its possible relationship to freezing tolerance 189

Green, J. R., s. Pain. N. A.

Gunning, B. E. S., s. Wasteneys, G. O.

Henry, C. A., Jordan, J. R., Kropf, D. L., Localized membrane-wall adhesions in *Pelvetia* zygotes 39

Hepler, P. K., s. Wasteneys, G. O.

Hoffman, B., s. Morré, D. M.

Honegger, R., Peter, M., Scherrer, S., Drought-induced structural alterations at the mycobiont-photobiont interface in a range of foliose macrolichens 221

Howard, R. J., s. Bourett, T. M.

Jones, G. L., s. Pain, N. A.

Jordan, J. R., s. Henry, C. A.

Joshi, H. C., s. Wolf, K. W.

Katoh, K., Kikuyama, M., Effect of caffeine on cytosolic Ca^{2+} level and cytoplasmic streaming in *Nitella axilliformis* 164

Kikuyama, M., s. Katoh, K.

Kimble, M., s. Ohta, T.

Kluge, M., s. Schüßler, A.

Kofron, M., s. Ohta, T.

Kropf, D. L., s. Henry, C. A.

Kuriyama, R., s. Ohta, T.

Leslie, J. D., s. Durso, N. A.

Liang, B. M., Dennings, A. M., Sharp, R. E., Baskin, T. I., Consistent handedness of microtubule helical arrays in maize and Arabidopsis primary roots 8

Marsh, M. E., Polyanion-mediated mineralization – a kinetic analysis of the calcium-carrier hypothesis in the phytoflagellate *Pleurochrysis carterae* 181

Mazzi, M., s. Cai, G.

Menzel, D., s. Wasteneys, G. O.

Mollenhauer, D., s. Schüßler, A.

Morré, D. M., Ferroli, C., Hoffman, B., A cell-free approach to the study of membrane trafficking in frozen rat brains potentially applicable to frozen autopsy material 99

Moscatelli, A., s. Cai, G.

Nougarède, A., Silveira, C. E., Rondet, P., In nature dormant buds and in vitro dormant-like buds of *Fraxinus excelsior* L. 16

O'Connell, R. J., s. Pain, N. A.

Ohta, T., Kimble, M., Essner, R., Kofron, M., Kuriyama, R., Cell cycle-dependent expression of the CHO2 antigen, a minus-end directed kinesin-like motor in mammalian cells 131

Pain, N. A., Green, J. R., Jones, G. L., O'Connell, R. J., Composition and organisation of extracellular matrices around germ tubes and appressoria of *Colletotrichum lindemuthianum* 119

Peter, M., s. Honegger, R.

Reiss, H.-D., s. Timmers, A. C. J.

Rondet, P., s. Nougarède, A.

Schel, J. H. N., s. Timmers, A. C. J.

Scherrer, S., s. Honegger, R.

Schnepf, E., s. Schüßler, A.

Schüßler, A., Bonfante, P., Schnepf, E., Mollenhauer, D., Kluge, M., Characterization of the *Geosiphon pyriforme* symbiosome by affinity techniques: confocal laser scanning microscopy (CLSM) and electron microscopy 53
Sharp, R. E., s. Liang, B. M.
Shoeman, R. L., s. Berger, S.
Silveira, C. E., s. Nougarède, A.

Takabe, K., s. Fujikawa, S.
Tiezzi, A., s. Cai, G.
Timmers, A. C. J., Reiss, H.-D., Bohsung, J., Traxel, K., Schel, J. H. N., Localization of calcium during somatic embryogenesis of carrot (*Daucus carota* L.) 107
Traub, P., s. Berger, S.
Traxel, K., s. Timmers, A. C. J.

Volkmann, D., s. Edelmann, H. G.

Wasteneys, G. O., Collings, D. A., Gunning, B. E. S., Hepler, P. K., Menzel, D., Actin in living and fixed characean internodal cells: identification of a cortical array of fine actin strands and chloroplast actin rings 25
Wolf, K. W., Cytology of Lepidoptera. VIII. Acetylation of α-tubulin in mitotic and meiotic spindles of two Lepidoptera species, *Ephestia kuehniella* (Pyralidae) and *Pieris brassicae* (Pieridae) 88
– Joshi, H. C, Polar cytoplasmic evaginations in dividing spermatocytes of the firebug, *Pyrrhocoris apterus* (Pyrrhocoridae, Hemiptera) 172